**Basic Information**

- **Catalog Number:** 14060-1-AP
- **Size:** 30 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG5092
- **GenBank Accession Number:** BC022014
- **GeneID (NCBI):** 5071
- **Calculated MW:** 52 kDa
- **Observed MW:** 52 kDa

**Recommended Dilutions:**
- **WB:** 1:200-1:1000
- **IHC:** 1:100-1:400
- **IF:** 1:50-1:500

**Applications**

- **Tested Applications:** IF, IHC, WB, ELISA
- **Cited Applications:** IHC, WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** human, rat

**Background Information**

Parkin, a RING-type E3 ubiquitin-protein ligase, is involved in the ubiquitination pathway and contributes to protection from neurotoxicity induced by unfolded protein stresses. Its ubiquitin–protein ligase activity promotes the degradation of a variety of proteins including itself. Mutations in Parkin are implicated in the pathogenesis of autosomal recessive familial Parkinson’s disease. It has 8 isoforms produced by alternative splicing.

**Notable Publications**

<table>
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<tr>
<th>Author</th>
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<th>Journal</th>
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<tbody>
<tr>
<td>Xudong Yao</td>
<td>30273654</td>
<td>Pharmacol Res</td>
<td>WB</td>
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<tr>
<td>Wei Wang</td>
<td>20991890</td>
<td>Biomed Pharmacother</td>
<td>WB</td>
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<tr>
<td>Fei Yin</td>
<td>3063403</td>
<td>Ecotoxicol Environ Saf</td>
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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**

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For technical support and original validation data for this product, please contact:

**T:** 1 (888) 4PTGLAB (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Mouse brain tissue were subjected to SDS PAGE followed by western blot with 14060-1-AP PARK2 antibody at dilution of 1:300 and incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14060-1-AP PARK2 antibody at dilution of 1:250 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer pH 9.

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14060-1-AP PARK2 antibody at dilution of 1:250 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer pH 9.

Immunofluorescent analysis of 4% PFA fixed SH-SY5Y cells using 14060-1-AP PARK2 antibody at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Immunofluorescent analysis of 4% PFA fixed SH-SY5Y cells using 14060-1-AP PARK2 antibody at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).